



# COURTNEY DOW

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## EXPERIENCE

### Postdoctoral Research Fellow | INSERM Team “Early Life Research on Later Health”

Paris, France: 2020-Current

Project title: Maternal obesity, inflammation and child neurocognitive development

- Literature review, descriptive and analytical data analysis of 3 birth cohorts

### Graduate Teaching Assistant | EHESP School of Public Health

Paris, France: 2020-Current

- Teaching assistant for Epidemiology Design and Methods and Analysis in Epidemiology
- Jury panel member for MPH thesis defenses

### Epidemiologist | Public Health France

Paris, France: 2019

Project title: Risk factors of comorbid PTSD and depression in civilians of the *ESPA 13 Novembre* study

- Data management, multiple imputation, descriptive statistics and statistical modelling, literature review, writing of a final article

### Doctoral Student | INSERM Team “Health Across Generations”

Paris, France: 2015 –2018

Thesis title: Dietary factors, type 2 diabetes and diabetic retinopathy in the E3N cohort study

- Literature review, data management, data collection, descriptive and analytical data analysis, article submission to international peer-reviewed journals, peer-review of manuscripts
- Research stay for 1 month in Melbourne, Australia at the Baker IDI Diabetes and Population Health team working on the AusDiab cohort data (under the supervision of Dr. Dianna Magliano)
- Primary supervisor of a Master's student in his thesis project: Dietary intake of vitamin C and the risk of diabetic retinopathy in the Afterdiab study

### Research Internship in Epidemiology | Public Health France

Paris, France: 2015

Master's Thesis Title: Socioeconomic factors associated with screening, diagnosis and outcomes of gestational diabetes among French women in 2011: Data from the ELFE study

- Literature review, data management, descriptive and analytical data analysis, writing of thesis, compilation and presentation of Powerpoint presentations

### Research Internship in Epidemiology | University Paris 13 and EHESP

Paris, France: 2014

Project Title: Socioeconomic factors influencing lung cancer survival

- Literature review, data input, data management, descriptive and analytical data analysis, writing of two final scientific reports



## EDUCATION

### **Graduate Certificate in Food, Nutrition and Health | University College Dublin**

*Paris, France: 2020-Current*

### **Professional Certificate SAS Advanced Programmer | SAS through Coursera**

*Paris, France: 2020-Current*

### **Professional Certificate SAS Programmer | SAS through Coursera**

*Paris, France: 2019*

### **PhD in Epidemiology | University Paris Saclay**

*Paris, France: 2015 –2018*

### **Master of Public Health (MPH) | EHESP School of Public Health**

*Paris, France: 2013 –2015*

### **Teaching English as a Foreign Language (TEFL) | TEFL Worldwide Prague**

*Prague, Czech Republic: 2012*

### **Bachelor of Science in Physiology & Biology (BSc Hons) | University of Western Ontario**

*London, Canada: 2007 –2012*



## SKILLS

- Languages: English (Native), French (TCF Level C1), German (Basic), Spanish (Basic)
- Microsoft Office, EndNote, Mendeley
- SAS, STATA



## PRESENTATIONS: INTERNATIONAL CONFERENCES

### **European Association for the Study of Obesity 2021 | Online**

“Maternal pre-pregnancy BMI and offspring hyperactivity-inattention from 3 to 8 years in the EDEN birth cohort study”. Poster presentation with oral presentation.

### **French-Speaking Diabetes Society Conference 2018 | Nantes, France**

“Diet and diabetic retinopathy: a systematic review”. Poster presentation.

### **European Association for the Study of Diabetes 2016 | Munich, Germany**

“Fatty acid consumption and incident type 2 diabetes: evidence from the French E3N cohort”. Poster presentation with oral communication.

### **French-Speaking Diabetes Society Conference 2016 | Lyon, France**

“Fatty acid consumption and risk of type 2 diabetes in the French E3N cohort study”. Oral presentation.  
“Screening, prevalence and diagnosis of gestational diabetes in France in 2011”. Poster presentation.

## PUBLICATIONS: FIRST AUTHOR

**Dow C**, Balkau B, Bonnet F, Mancini F, Rajaobelina K, Shaw J, Magliano DJ, Fagherazzi G. Strong adherence to dietary and lifestyle recommendations is associated with decreased type 2 diabetes risk in the AusDiab cohort study. *Prev Med*. 2019. 123:208-216.

**Dow C**, Mancini M, Rajaobelina K, Boutron-Ruault MC, Balkau B, Bonnet F, Fagherazzi G. Diet and risk of diabetic retinopathy: a systematic review. *Eur J Epidemiol*. 2018. 33(2):141-156.

**Dow C**, Mangin M, Balkau B, Affret A, Boutron-Ruault MC, Clavel-Chapelon F, Bonnet F, Fagherazzi G. Fatty acid consumption and incident type 2 diabetes: an 18-year follow-up in the female E3N (Etude Epidémiologique auprès des femmes de la Mutuelle Générale de l'Education Nationale) prospective cohort study. *Br J N*. 2016. 116(10):1807-1815.

**Dow C**, Fosse-Edorh S, Perrine A, Charles M, Barry A, Vambergue A, Cosson E, Regnault, N. CA-107: Dépistage, prevalence et pronostic du diabète gestationnel en France en 2011 : l'étude ELFE. *Diabetes & Metabolism*. 2016.42(1):A64.

## PUBLICATIONS: OTHER POSITIONS

ORCID: <https://orcid.org/0000-0002-9925-8460>

28 peer-reviewed publications in international scientific journals: [link](#)

Affret A, Severi G, **Dow C**, Mancini FR, Rey G, Delpierre C, Clavel-Chapelon F, Boutron-Ruault MC, Fagherazzi G. Socioeconomic factors associated with an increase in fruit and vegetable consumption: a 12-year study in women from the E3N-EPIC study. *Public Health Nutr*. 2017. 29: 1-16.

Affret A, Wagner S, El Fatouhi D, **Dow C**, Correia E, Niravong M, Clavel-Chapelon F, De Chefdebien J, Fouque D, Stengel B; CKD-REIN study investigators, Boutron-Ruault MC, Fagherazzi G. Validity and reproducibility of a short food frequency questionnaire among patients with chronic kidney disease. *BMC Nephrol*. 2017. 18(1): 297.

Affret A, Severi G, **Dow C**, Rey G, Delpierre C, Boutron-Ruault MC, Clavel-Chapelon F, Fagherazzi G. Socio-economic factors associated with a healthy diet: results from the E3N study. *Public Health Nutr*. 2017. 20(9):1574-1583.

Affret A, El Fatouhi D, **Dow C**, Correia E, Boutron-Ruault M-C, Fagherazzi G. Relative Validity and Reproducibility of a New 44-Item Diet and Food Frequency Questionnaire Among Adults: Online Assessment. *J Med Internet Res*. 2018. 20(7):e227.

Fagherazzi G, El Fatouhi D, Bellicha A, El Gareh A, Affret A, **Dow C**, Delrieu L, Vegreville M, Normand A, Oppert JM, Severi G. An International Study on the Determinants of Poor Sleep Amongst 15,000 Users of Connected Devices. *J Med Internet Res*. 2017. 19(10):e363.

Fagherazzi G, Gusto G, Affret A, Mancini FR, **Dow C**, Balkau B, Clavel-Chapelon F, Bonnet F, Boutron-Ruault MC. Chronic Consumption of Artificial Sweetener in Packets or Tablets and Type 2 Diabetes Risk: Evidence from the E3N-European Prospective Investigation into Cancer and Nutrition Study. *Ann NutrMetab*. 2017. 70(1):51-58.

Fagherazzi G, Chambraud C, **Dow C**, Mancini FR, Affret A, Balkau B, Magliano DJ, Boutron-Ruault M-C, Bonnet F. What are the determinants of a concerned vision of the future when living with type 2 diabetes? Results from the E3N-AfterDiab study. *Chronic Illn*. 2019. 15(3):236-241.

Fagherazzi G, Gusto G, Mancini FR, **Dow C**, Rajaobelina K, Balkau B, Boutron-Ruault M-C, Bonnet F. Determinants of 20-year non-progression to type 2 diabetes in women at very high risk: the E3N cohort study. *Diabet Med*. 2018. 35(12):1716-1721.

Forouhi NG, Imamura F, Sharp SJ, Koulman A, Schulze MB, Zheng J, Ye Z, Sluijs I, Guevara M, Huerta JM, Kröger J, Wang LY, Summerhill K, Griffin JL, Feskens EJ, Affret A, Amiano P, Boeing H, **Dow C**, Fagherazzi G, Franks PW, Gonzalez C, Kaaks R, Key TJ, Khaw KT, Kühn T, Mortensen LM, Nilsson PM, Overvad K, Pala V, Palli D, Panico S, Quirós JR, Rodriguez-Barranco M, Rolandsson O, Sacerdote C, Scalbert A, Slimani N, Spijkerman AM, Tjønneland A, Tormo MJ, Tumino R, van der A DL, van der Schouw YT, Langenberg C, Riboli E, Wareham NJ. Association of Plasma Phospholipid n-3 and n-6 Polyunsaturated Fatty Acids with Type 2 Diabetes: The EPIC-InterAct Case-Cohort Study. *PLoS Med*. 2016. 13(7): e1002094.

Imamura F, Sharp SJ, Koulman A, Schulze MB, Kröger J, Griffin JL, Huerta JM, Guevara M, Sluijs I, Agudo A, Ardanaz E, Balkau B, Boeing H, Chajes V, Dahm CC, **Dow C**, Fagherazzi G, Feskens EJM, Franks PW, Gavrila D, Gunter M, Kaaks R, Key TJ, Khaw KT, Kühn T, Melander O, Molina-Portillo E, Nilsson PM, Olsen A, Overvad K, Palli D, Panico S, Rolandsson O, Sieri S, Sacerdote C, Slimani N, Spijkerman AMW, Tjønneland A, Tumino R, van der Schouw YT, Langenberg C, Riboli E, Forouhi NG, Wareham NJ. A combination of plasma phospholipid fatty acids and its association with incidence of type 2 diabetes: The EPIC-InterAct case-cohort study. *PLoS Med*. 2017. 14(10):e1002409.

Imamura F, Schulze MB, Sharp SJ, Guevara M, Romaguera D, Bendinelli B, Salamanca-Fernandez E, Ardanaz E, Arriola L, Aune D, Boeing H, **Dow C**, Fagherazzi G, Franks PW, Freisling H, Jakszyn P, Kaaks R, Khaw K-T, Kühn T, Mancini FR, Masala G, Chirlaque M-D, Nilsson PM, Overvad K, Pala VM, Panico S, Perez-Cornago A, Quiros JR, Ricceri F, Rodriguez-Barranco M, Rolandsson O, Sluijs I, Stepien M, Spijkerman AMW, Tjønneland A, Tong TYN, Tumino R, Visser LET, Ward HA, Langeberg C, Riboli E, Forouhi NG, Wareham NJ. Estimated Substitution of Tea or Coffee with Sugar-Sweetened Beverages was Associated with Lower Type 2 Diabetes Incidence in Case-Cohort Analysis across 8 European Countries in the EPIC-InterAct Study. *J Nutr*. 2019. 149(11):1985-1993.

Kröger J, Meidtner K, Stefan N, Guevara M, Kerrison ND, Ardanaz E, Aune D, Boeing H, Dorransoro M, **Dow C**, Fagherazzi G, Franks PW, Freisling H, Gunter MJ, Huerta JM, Kaaks R, Key TJ, Khaw KT, Krogh V, Kühn T, Mancini FR, Mattiello A, Nilsson PM, Olsen A, Overvad K, Palli D, Quirós JR, Rolandsson O, Sacerdote C, Sala N, Salamanca-Fernández E, Sluijs I, Spijkerman AMW, Tjønneland A, Tsilidis KK, Tumino R, van der Schouw YT, Forouhi NG, Sharp SJ, Langenberg C, Riboli E, Schulze MB, Wareham NJ. Circulating Folate and Risk of Type 2 Diabetes: A Mendelian Randomization Analysis. *Diabetes*. 2018. 67(6):1200-1205.

Li SX, Imamura F, Ye Z, Schulze MB, Zheng J, Ardanaz E, Arriola L, Boeing H, **Dow C**, Fagherazzi G, Franks PW, Agudo A, Grioni S, Kaaks R, Katzke VA, Key TJ, Khaw KT, Mancini FR, Navarro C, Nilsson PM, Onland-Moret NC, Overvad K, Palli D, Panico S, Quirós JR, Rolandsson O, Sacerdote C, Sánchez MJ, Slimani N, Sluijs I, Spijkerman AM, Tjønneland A, Tumino R, Sharp SJ, Riboli E, Langenberg C, Scott RA, Forouhi NG, Wareham NJ. Interaction between genes and macronutrient intake on the risk of developing type 2 diabetes: systematic review and findings from European Prospective Investigation into Cancer (EPIC)-InterAct. *Am J Clin Nutr*. 2017. 106(1):263-275.

Mancini FR, Affret A, **Dow C**, Balkau B, Bonnet F, Boutron-Ruault MC, Fagherazzi G. Dietary antioxidant capacity and risk of type 2 diabetes in the large prospective E3N-EPIC cohort. *Diabetologia*. 2018. 61(2):308-316.

Mancini FR, Affret A, **Dow C**, Balkau B, Bihan H, Clavel-Chapelon F, Boutron-Ruault MC, Bonnet F, Fagherazzi G. Educational level and family structure influence the dietary changes after the diagnosis of type 2 diabetes: evidence from the E3N study. *Nutr Res*. 2017. 44:9-17.

Mancini FR, Affret A, **Dow C**, Balkau B, Clavel-Chapelon F, Bonnet F, Boutron-Ruault MC, Fagherazzi G. High dietary phosphorus intake is associated with an increased risk of type 2 diabetes in the large prospective E3N cohort study. *Clin Nutr*. 2017. doi: 10.1016/j.clnu.2017.07.025

Mancini FR, Rajaobelina K, Praud D, **Dow C**, Antignac JP, Kvaskoff M, Severi G, Bonnet F, Boutron-Ruault MC, Fagherazzi G. Nonlinear associations between dietary exposures to perfluorooctanoic acid (PFOA) or perfluorooctane sulfonate (PFOS) and type 2 diabetes risk in women: findings from the E3N cohort study. *Int J Hyg Environ Health*. 2018. 221(7):1054-1060.

Mancini FR, Rajaobelina K, **Dow C**, Habbal T, Affret A, Balkau B, Bonnet B, Boutron-Ruault M-C, Fagherazzi G. High iodine dietary intake is associated with type 2 diabetes among women of the E3N-EPIC cohort study. *Clin Nutr*. 2019. 38(4):1651-1656.

Mancini FR, **Dow C**, Affret A, Rajaobelina K, Dartois L, Balkau B, Bonnet F, Boutron-Ruault M-C, Fagherazzi G. Micronutrient dietary patterns associated with type 2 diabetes mellitus among women of the E3N-EPIC (Etude Epidémiologique auprès de femmes de l'Education Nationale) cohort study. *J Diabetes*. 2018. 10(8) :665-674.

Meidtner K, Podmore C, Kröger J, van der Schouw YT, Bendinelli B, Agnoli C, Arriola L, Barricarte A, Boeing H, Cross AJ, **Dow C**, Ekblom K, Fagherazzi G, Franks PW, Gunter MJ, Huerta JM, Jakszyn P, Jenab M, Katzke VA, Key TJ, Khaw KT, Kühn T, Kyrø C, Mancini FR, Melander O, Nilsson PM, Overvad K, Palli D, Panico S, Quirós JR, Rodríguez-Barranco M, Sacerdote C, Sluijs I, Stepien M, Tjonneland A, Tumino R, Forouhi NG, Sharp SJ, Langenberg C, Schulze MB, Riboli E, Wareham NJ. Interaction of Dietary and Genetic Factors Influencing Body Iron Status and Risk of Type 2 Diabetes Within the EPIC-Interact Study. *Diabetes Care*. 2018. 41(2):277-285.

Ongono JS, **Dow C**, Gambaretti J, Severi G, Boutron-Ruault M-C, Bonnet F, Fagherazzi G, Mancini FR. Dietary exposure to brominated flame retardants and risk of type 2 diabetes in the French E3N cohort. *Environ Int*. 2019. 123:54-60.

Rajaobelina K, **Dow C**, Mancini FR, Dartois L, Boutron-Ruault MC, Balkau B, Bonnet F, Fagherazzi G. Population attributable fraction of the main type 2 diabetes risk factors in women: findings from the French E3N Cohort. *J Diabetes*. 2019. 11(3):242-253.

Tatulashvili S, Fagherazzi G, **Dow C**, Cohen R, Fosse S, Bihan H. Socioeconomic inequalities and type 2 diabetes complications: A systematic review. *Diabetes Metab*. 2019. doi: 10.1016/j.diabet.2019.11.001.

Zheng JS, Sharp SJ, Imamura F, Koulman A, Schulze MB, Ye Z, Griffin J, Guevara M, Huerta JM, Kröger J, Sluijs I, Agudo A, Barricarte A, Boeing H, Colorado-Yohar S, **Dow C**, Dorransoro M, Dinesen PT, Fagherazzi G, Franks PW, Feskens EJM, Kühn T, Katzke VA, Key TJ, Khaw KT, de Magistris MS, Mancini FR, Molina-Portillo E, Nilsson PM, Olsen A, Overvad K, Palli D, Quirós JR, Rolandsson O, Ricceri F, Spijkerman AMW, Slimani N, Tagliabue G, Tjonneland A, Tumino R, van der Schouw YT, Langenberg C, Riboli E, Forouhi NG, Wareham NJ. Association between plasma phospholipid saturated fatty acids and metabolic markers of lipid, hepatic, inflammation and glycaemic pathways in eight European countries: a cross-sectional analysis in the EPIC-InterAct study. *BMC Med*. 2017. 15(1):203.